GENERAL NOTES

- THIS PLAN SUPERSEDES ALL OTHER PLANS PREVIOUSLY APPROVED BY THE CITY OF CARLSBAD REGARDING IMPROVEMENTS SHOWN ON THIS SET OF PLANS.
- APPROVAL OF THIS PLAN DOES NOT LESSEN OR WAIVE ANY PORTION OF THE CARSBAD MUNICIPAL CODE, RESOLUTION OF CONDITIONAL APPROVAL CITY STANDARDS OR OTHER ADDITIONAL DOCUMENTS LISTED HEROM AS THEY MAY PERTAIN TO THIS PROJECT, THE ENGINEER IN RESPONSIBLE CHARGE SHALL REVISE THESE PLANS WHEN NON-CONFORMANCE IS DISCOVERED.
- 3. CITY APPROVAL OF PLANS DOES NOT RELIEVE THE DEVELOPER OR ENGINEER-OF-WORK FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS AND OMISSIONS DISCOVERED DURING CONSTRUCTION ALL PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR APPROVAL
- A RICHT-OF-WAY PERMIT FROM THE CITY ENGINEER WILL BE REQUIRED FOR ANY WORK IN THE PUBLIC RICHT OF WAY, PRIOR TO PERMIT ISSUANCE, A CERTIFICATE OF INSURANCE AS WELL AS ADDITIONAL INSURED ENDORSEMENT MUST BE FILED NAMING THE CITY OF CARLSBAD AS AN ADDITIONAL INSURED ON THE PERMITTEE'S POLICY IN THE MINIMUM AMOUNT OF \$1,000,000 OF FOR EACH OCCURRENCE OF LUABILITY, THE MINIMUM AMOUNT OF \$1,000,000 OF FOR EACH OCCURRENCE OF LUABILITY, THE MINIMUM COMPANY WRITING THE POLICY MUST. HAVE A RATING OF ""—" OR BETTER AND A SIZE CATEGORY OF CLASS V OR BETTER AS ESTABLISHED BY "BESTS KEY RATING GROE."
- 5. NO WORK SHALL BE COMMENCED UNTIL ALL PERMITS HAVE BEEN OBTAINED FROM THE CITY AND OTHER APPROPRIATE AGENCIES.
- 6. REVISION OF THESE PLANS MAY BE REQUIRED IF THE PROPOSED IMPROVEMENT ARE NOT CONSTRUCTED PRIOR TO THE DEADLINE DATE OF THE IMPROVEMENT AGREEMENT.
- NO REVISIONS WILL BE MADE TO THESE PLANS WITHOUT THE WRITTEN APPROVAL OF THE CITY ENGNEER, NOTED WITHIN THE REVISION BLOCK, ON THE APPROPRIATE SHEET OF THE PLANS AND TITLE SHEET.
- 8. ORIGINAL DRAWINGS SHALL BECOME THE PROPERTY OF THE CITY UPON BEING SIGNED BY THE CITY ENGINEER.
- 9. THE ORIGINAL DRAWING SHALL BE REVISED TO REFLECT AS—BUILT CONDITIONS BY THE ENGINEER—OF—WORK PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE
- 10. ACCESS FOR FIRE AND OTHER EMERGENCY VEHICLES SHALL BE MAINTAINED TO THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
- 11. IMHERE TRENCHES ARE MITHIN CITY EASEMENTS, A SOILS REPORT COMPRISED OF:
 (A) SUMMARY SHEET, (B) LABORATORY WORK SHEETS AND (C) COMPACTION
 CURVES, SHALL BE SUBMITTED BY A PROFESSIONAL BYONGER OF THE STATE OF
 CALIFORMA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOILS
 MICHANICS THE SOILS REPORT WILL BE SUBMITTED TO THE CITY EVIOLEERING
 MISSECTOR WITHIN TWO WORKING DAYS OF COMPLETION OF FIELD TESTS. THE
 WATTED FIELD COMPACTION REPORTS) SHALL BE MANDEATEY SUBMITTED TO
 THE CITY ENGINEERING INSPECTOR UPON COMPLETION OF THE FIELD TESTS.
- ITE. CLIT ENGRECHMS INSPECTION UPON COMPLETION OF THE FIELD TESTS.

 A PRECONSTRUCTION METRING SHALL BE HELD AT THE SITE PRIOR TO THE BEGINNING OF WORK AND SHALL BE ATTENDED BY ALL REPRESENTATIVES RESPONSIBLE FOR CONSTRUCTION, INSPECTION, SUPERVISION, TESTING AND ALL OTHER ASPECTS OF THE WORK, THE CONTRACTOR SHALL SCHEDULE THE MEETING BY CALLING (780) ASS-3391 AT LEAST FIVE(5) WORKING DAYS PRIOR TO STARTING CONSTRUCTION, APPROVED DRAWINGS WUST BE AVAILABLE PRIOR TO SCHEDULING, THE GRADING PERMIT WILL BE PROVIDED BY THE PROJECT INSPECTOR AT THE MEETING.
- MEETING.

 3. ALL INSPECTION REQUESTS OTHER THAN FOR PRECONSTRUCTION MEETING WILL BE MADE BY CALLING THE ENGINEERING 24-HOUR RISPECTION REQUEST LINE AT 1760 148-2-381 INSPECTION REQUESTS MUST BE RECEIVED RICH 2500 P.M. ON THE DAY BEFORE THE INSPECTION IS. NEFED. RISPECTIONS WILL BE MADE THE NEXT MORE OAY UNLESS TOU REQUEST OTHERWISE. REQUESTS MADE AFTER 2-00 P.M. WILL BE SCHOOLED FOR TWO FOLL WORK DAY'S LATER.
- 14. THE OWNER AND/OR APPLICANT THROUGH THE DEVELOPER AND/OR CONTRACTOR SHALL BESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.

 15. THE CONTRACTOR SHALL COMFORM TO LABOR CODE SECTION 6705 BY SUBMITTING A DETAIL PLAN TO THE CITY ENGINEER AND/OR CONCERNED AGENCY SHOWN THE DESIGN OF SHORING, BRACING SLOPING OR OTHER PROVISIONS TO BE MADE OF WORKER PROTECTION FROM THE HAZARD OF CAMING GROUND DURING THE EXCAVATION OF SUCH TRENCH OR TRENCHES OR DURING THE PIPE INSTALLATION HIFER HAS MUST BE FREPARED FOR ALL TRENCHES FIVE FEET (5') OR MORE IN DEPTH AND APPROVED BY THE CITY ENGINEER AND/OR CONCERNED AGENCY PRIOR TO EXCAVATION, IF THE PLAN YARRIS FROM THE SHORING SYSTEM STANDARDS ESTABLISHED BY THE CONSTRUCTION SAFETY ORDERS TILL EN CALIFORMA ADMINISTRATIVE COOC. THE PLAN SHALL BE PREPARED BY A REGISTERD ENGINEER AT THE CONTRACTORS EXPENSE A COPY OF THE OSHA EXCAVATION, PERMIT MUST BE SUBMITTED TO THE INSPECTOR PRIOR TO EXCAVATION.
- 16. IE ANY ARCHAEOLOGICAL RESOURCES ARE DISCOVERED WITHIN ANY WORK ZONE DURING CONSTRUCTION, OPERATIONS WILL CEASE IMMEDIATELY. AND THE PERMITTEE WILL NOTEY THE CITY ENGINEER OPERATIONS WILL NOT RESTART UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORITY FROM THE CITY ENGINEER TO DO SO.
- IN ALL OPERATIONS CONDUCTED ON THE SITE OR ADJACENT THERETO, INCLUDING WARRING UP, REPART, ARRIVIAL, DEPARTURE OR OPERATION OF TRUCKS, EARTHMOWNE EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 AM, AND SURSET EACH DAY, MONDAY THRU TRODAY AND ON CARTHMOWNE OR GRADING OPERATIONS SHALL BE CONDUCTED ON MECHENIS OR HOLDAYS (A UST OF CITY HOLDAYS IN A UST OF CITY HOLDAYS IS AVAILABLE AT THE EMBREERING DEPARTMENT COUNTER.)
- 18. ALL OFF-SITE HAUL ROUTES SHALL BE SUBMITTED BY THE CONTRACTOR TO THE CITY ENGINEER FOR APPROVAL TWO RULL WORKING DAYS PRIOR TO BEGINNING OF WORK. THE COMPRACTOR SHALL BE RESPONSIBLE FOR ANY DEBRIS OR DAMAGE OCCURRING ALONG THE HAUL ROUTE OR ADJACENT STREETS AS A RESULT OF THE GRADING OPERATION.
- 19. NO BLASTING SHALL BE COMMENCED WITHOUT A CITY ENGINEER APPROVED BLASTING PROGRAM.
- 20. THE EXISTENCE AND LOCATION OF UTILITY STRUCTURES AND FACILITIES SHOWN ON THE CONSTRUCTION PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. ATTENTION IS CALLED TO THE POSSIBLE EXISTENCE OF OTHER UTILITY FACULTIES OR STRUCTURES NOT SHOWN OR IN A LOCATION DIFFERENT FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN ON THE PLANS AND ANY OTHER EXISTING PACILITIES OR STRUCTURES MOT SHOWN ON THE PLANS AND ANY OTHER EXISTING PACILITIES OR STRUCTURES MOT SHOWN.
- 21. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES (ABOVEGROUND AND UNDERGROUND) IN WITHIN THE PROJECT SITE SUFFICIENTLY AHEAD OF THE CONSTRUCTION TO PERMIT THE REVISIONS OF THE CONSTRUCTION PLANS IF IT IS FOUND THAT THE ACTUAL LOCATIONS ARE IN CONFLICT WITH THE PROPOSED WORK.
- 22. THE CONTRACTOR SHALL NOTIFY AFFECTED UTILITY COMPANIES (SEE BELOW) AT LEAST 2 FULL WORKING DAYS PRIOR TO STARTING GRADNIG NEAR THEM FACULTES AND SHALL COORDINATE THE WORK WITH A COMPANY REPRESENTATIVE. (800)422-4133 (800)660-7343 (800)892-0123 (760)438-7741 UNDERGROUND SERVICE ALERT SDGAE SBC (PACIFIC BELL) ADELPHIA CABLE COMMUNICATIONS

STREET NOTES

- TI ACTUAL STRUCTURAL SECTIONS WILL BE DETERMINED AFTER "R" VALUE TESTS HAVE BEEN CONDUCTED BY A PROFESSIONAL ENGINEER OF THE STATE OF CALFORNIA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOIL MECHANICS, ON THE PREPARED BASEMENT SOIL. THE "R" VALUE TEST AND THE REGINEERED STRUCTURAL SECTION MUST BE SUBMITTED TO THE ENGINEERING INSPECTOR FOR REVIEW AND APPROVAL A MINIMUM OF TWO (2) CITY WORKING DAYS BEFORE THE WORK BEGINS.
- STREET LIGHTS SHALL BE INSTALLED AS SHOWN ON THESE PLANS, UNDERGROUND CONDUIT RUNS, SERVICE POINTS AND HAND-HOLES SHALL BE SHOWN ON THE "AS-BULL" PLANS. NO DIRECT BURNAL STREET LIGHT FOUNDATIONS WILL BE ALLOWED. ALL LUMINARIES SHALL BE" CUT OFF" TYPE.
- 4. STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE WITH A MINIMUM D-LOAD OF 1,350. FOR PRIVATE STORM DRAIN PIPES, UP TO 15" PVC MAY BE UTILIZED PROVIDED DEPTH IS LESS THAN 15 FEET AND BACKFELLED WITH 3/4" ROCK PER SDRSD S-4 TYPE "G" AND PIPE MEETS ASTM STANDARD 3034 FOR SDR 35 SOLID WALL PIPE.
- WHERE AN EXISTING PIPE LINE IS TO BE ABANDONED IT SHALL BE REMOVED WITHIN TWENTY FEET OF BUILDING OR STREET AREAS AND REPLACED WITH PROPERTY COMPACTED SOLS. IN OTHER AREAS THE PIPE WILL BE PLUGGED WITH CONCRETE OR REMOVED AS APPROVED BY THE CITY ENGINEER.
- 6. WHEELCHAIR RAMPS SHALL BE INSTALLED PER REQUIREMENTS OF TITLE 24,
- STREET TREES SHALL BE INSTALLED PER SECTION IV D.3 OF THE CITY OF CARLSBAD LANDSCAPE MANUAL AND LOCAL RESIDENTIAL STREET STANDARDS.
- 8. FIRE HYDRANT MARKERS SHALL BE PLACED IN THE STREET WITHIN THE LIMITS OF WORK OF THIS PLAN PER SDRS DWG M19.
- ALL SURVEY MONUMENTS AND POINTS THAT ARE DISTURBED BY THIS WORK PROFESSIONAL LAND SURVEYORS ACT.
- TWO (2) SETS OF SURVEY (CUT) SHEETS SHALL BE PROVIDED TO THE CITY ENGINEERING INSPECTOR.

SEWER NOTES

- 1. SEWER MAIN AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CARLSBAD MUNICIPAL WATER DISTRICT'S SEWER SYSTEM DESIGN CRITERIA, STANDARD DRAIMING, AND SECOFICATIONS, AND THE STANDARD SPECIFICATIONS, MARCH 1993, AND THE STANDARD SPECIFICATIONS, MARCH 1993, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION (GREEN BOOK).
- 2. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE DIVISION OF INDUSTRIAL SAFETY BEFORE ANY EXCAVATION AND SHALL ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS.
- 3. BEFORE ANY CONNECTION TO THE DISTRICT'S EXISTING SYSTEM, A PERMIT SHALL BE OSTANED FROM THE DISTRICT. IT MUST BE SIGNED AND APPROVED BY THE DISTRICT'S ENGNEER AND SUPERNIFICATION.
- BEFORE CONSTRUCTION BEGINS IN ANY PUBLIC RIGHT OF WAY, A CITY RIGHT OF WAY PERMIT SHALL BE REQUIRED.
- 5. THE CONTRACTOR SHALL MOTIFY THE CITY OF CARLSBAD ENGINEERING INSPECTION 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION. (TELEPHONE NO. [619] 438–3891)

- 1. WATER MAIN AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CARLSBAD MUNICIPAL WATER DISTRICT'S PROCEDURAL QUIDE GENERAL DESIGN REQUIREMENTS AND STANDARDS AND SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC POTABLE WATER FACILITIES, DATED OCTOBER 1993, OR THE LATEST REMSION.
- THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE DIVISION OF INDUSTRIAL SAFETY BEFORE ANY EXCAVATION AND SHALL PROVIDE PROOF OF OSHA NOTIFICATION AND SHALL ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS.
- 3. BEFORE ANY CONNECTION OR SHUT DOWN OF VALVES ON EXISTING C.M.W.D. LINES, A PERMIT SHALL BE OBTAINED FROM THE C.M.W.D. OFFICE AND MUST BE SIGNED AND APPROVED BY DISTRICT ENGINEER AND DISTRICT SUPERNITRIDENT.
- 4. A PRECONSTRUCTION CONFERENCE MEETING SHALL BE HELD A MINIMUM OF 7 DAYS BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR SHALL NOTIFY THE CITY OF CARLSBAD ENGINEERING INSPECTION 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION (TELEPHONE NO.[619] 438-3891) FOR SCHEDULING.
- 5. NO TREES OR STRUCTURES SHALL BE ALLOWED IN THE WATER LINE EASEMENT, ALL EXISTING TREES AND STRUCTURES SHALL BE REMOVED PRIOR TO COMMENCEMENT OF WORK ANY EXCEPTIONS SHALL REQUIRE WRITTEN PERMISSION FROM THE DISTRICT ENGINEER.
- 5. THE EXACT HORIZONTAL AND VERTICAL ALIGNMENT AND TYPE OF MATERIALS OF THE FINE LINE LOCATED BETWEEN THE DETECTOR OFFICK VALVE AND BUILDING SHALL BE DETERMINED BY THE CITY OF CARLSBAD FINE MARSHALL
- ALL RECLAIMED WATER MAINS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CARLSBAD RECLAIATION RULES AND REGULATIONS FOR THE CONSTRUCTION OF RECLAIMED WATER MAINS CARLSBAD MUNICIPAL WATER DISTRICT", OCTOBER 1993 OR AS AMENDED.
- 8. ALL BURIED COPPER PIPING AND APPURTENANCES SHALL BE PROTECTED BY MEANS OF CATHOLOC PROTECTION. IF DEVELOPER/OWNER CONDUCTS A SOLS TEST REPORT AND DEMONSTRATES THAT PROTECTION CAN BE PERFORMED IN ANOTHER MANURER, THE DISTRICT ENGINEER WILL CONSIDER AN ALTERNATIVE FORM OF PROTECTION.

"DECLARATION OF RESPONSIBLE CHARGE"

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE DERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6730 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF CARLSBAD DOES NOT RELIEVE ME AS ENGINEER OF WORK, OF MY

ESPONSIBILITIES FOR PROJECT DESIGN.	
DORESS:	
ITY, ST.:	
ELEPHONE:	
Y:(NAME OF ENGINEER)	DATE:
C.E. NO.:	
REGISTRATION EXPIRATION DATE:	

CMWD CONSTRUCTION NOTES

- ALL POTABLE WATER SERVICES SHALL BE 1" AND ALL POTABLE WATER METERS SHALL BE 5/8" (UNLESS OTHERWISE NOTED ON PLANS).
- 2. ALL WATER METER BOXES SHALL BE 17"x30"x12" POLYMER CONCRETE AS MANUFACTURED BY ARMORGAST OR EQUAL.
- 3. MINIMUM SPACING BETWEEN POTABLE WATER LATERALS ADN SEWER SERVICES SHALL BE 5 FEET.
- 4. THE TOP OF THE WATER METER BOXES SHALL BE FLUSH WITH THE FINISHED SURFACE GRADE.

WORK TO BE DONE

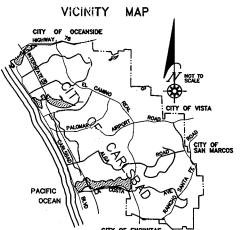
THE IMPROVEMENT WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING DOCUMENTS, CURRENT AT THE TIME OF CONSTRUCTION, AS DIRECTED BY THE CITY DEGIMER.

- 2. CITY OF CARLSBAD STANDARDS
- ___ DATED___
- THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK).
- THE SAN DIEGO AREA REGIONAL STANDARD DRAWINGS AND AS MAY BE MODIFIED BY THE CITY OF CARLSBAD STANDARDS.
- 8. CALIFORNIA COASTAL COMMISSION DEVELOPMENT PERMIT CONDITIONS DATED
- THE CARLSBAD MUNICIPAL WATER DISTRICT'S STANDARDS AND SPECIFICATIONS FOR WATER, SEWER AND RECLAMED WATER.
- 11. STORM WATER MANAGEMENT PLAN (SWMP) PREPARED BY .

LEGEND

DWG. NO., DESCRIPTION SYMBOL QUANTITY

DEVELOPER NAME: ADDRESS:



REFERENCE DRAWINGS

BASIS OF BEARINGS

CITY OF ENCINITAS -				
SOURCE OF TOPOGRAPHY TOPOGRAPHY SHOWN ON THESE PLANS WAS GENERATED BY METHODS FROM INFORMATION GATHERED ON	CARLSBAD MUNICIPAL WATER DISTRICT	CITY OF CARLSBAD REQUIREMENTS NO. OF F.H.(S)F.FLOW BLDG. SPRINKLED YES/NO	G.P.M. OUT OFF.H.(S).). P.E
TOPOGRAPHY SHOWN HEREON CONFORMS TO NATIONAL MAP ACCURACY STANDARDS.	ROBERT J. WOJCIK DATE	FIRE MARSHAL	DATE	REVIEW
	ROBERT J. WOJCIK DATE DEPUTY CITY ENGINEER R.C.E. 33698 EXP. 6/30/06			INSPEC
PROJECT LOCATION THIS PROJECT IS LOCATED WITHIN ASSESSORS PARCEL NUMBER(S)			SHEET	CIT
THE CALIFORNIA COORDINATE INDEX OF THIS PROJECT IS .			IMPROVE	SMENT PI
BENCH_MARK DESCRIPTION:			APPROV	
LOCATION:			CITY ENG	SINEER 1

		•	CITY OF CARLSBAD FIRE DEPARTMENT REQUIREMENTS						"AS	BUILT'	,	
CARLS	BAD MU	INICIPAL WATER DISTRICT	NO. OF F.H.(S). F.FLOW. G.P.M. OUT OF F.H.(S). BLOG. SPRINGLED YES/NO F.FLOW. G.P.M.									DATE
ROBERT	CITY EN	K DATE SINEER R.C.E. 33698 EXP. 6/30/06	FIRE MARSHAL DATE					INSPECTO		· -	DATE	
								SHEET	CITY	OF C	ARLSBA EPARTMENT	D SHEETS
								IMPROVE	MENT PLA	NS FOR		
								APPROVE		23990 EV	LLOY	D B. HUBBS
DATE	INITIAL	A REVISION DESCRIPTION		DATE	NITIAL	DATE	INSTIAL	DWN BY:	,		ECT NO.	DRAWING NO.
ENGINEER OF WORK REVISION DESCRIPTION		١ (OTHER APPROVAL			CITY APPROVAL RVWD BY					l	

GRADING NOTES

(IN ADDITION TO THE REQUIREMENTS OF CHAPTER 15.16 OF THE CARLSBAD MUNICIPAL CODE.)

- THIS PLAN SUPERSEDES ALL OTHER PLANS PREVIOUSLY APPROVED BY THE CITY OF CARLSBAD RECARDING GRADING SHOWN ON THIS SET OF PLANS.
- OF CARLESAID RECARDING GRADING SHOWN ON HIS SET OF PLANS.
 APPROVAL OF THIS PLAN DOES NOT LESSEN OR MUVE ANY PORTION OF THE
 CARLSBAD MUNICIPAL CODE, RESOLUTION OF CONDITIONAL APPROVAL, CITY
 STANDARDS OR OTHER ADDITIONAL DOCUMENTS LISTED HEREON AS THEY MAY
 PERTAIN TO THIS PROJECT, THE ENGINEER IN RESPONSIBLE CHARGE SHALL
 REVISE THESE PLANS WHEN NON-CONFERMANCE IS DESCORED.
- CITY APPROVAL OF PLANS DOES NOT RELEVE THE DEVELOPER OR ENGINEER-OF-WORK FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS AND OMISSIONS DISCOVERED DURING CONSTRUCTION. ALL PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR APPROVAL.
- SUBMITTED TO THE CITY ENGINEER FOR APPROVAL

 A RIGHT-OF-MAY PERMIT FROM THE CITY ENGINEER MILL BE REQUIRED FOR ANY
 WORK IN THE PUBLIC RIGHT OF MAY, PRIOR TO PERMIT ISSUANCE, A

 CETTERCATE OF INSURANCE AS MELL AS ADDITIONAL INSURED ENDORSEMENT MUST
 BE FILED NAMING THE CITY OF CARLSBAD AS AN ADDITIONAL INSURED TO THE

 PERMITTEE'S POLICY IN THE MINIMAM AMOUNT OF \$1,000,000 OF FOR EACH
 OCCURRENCE OF LUBBLITY, THE INSURANCE COMPANY WRITING THE POLICY MUST
 HAVE A RATING OF "A" OR BETTER AND A SIZE CATEGORY OF CLASS Y OR

 BETTER AS ESTABLISHED BY BESIS KEY RATING GUIDE.

 UNLESS EXCHAPTED BY SECTION 301 (16) OF THE IMMEROR BRITISHED OF THE
- UNLESS EXEMPTED BY SECTION 301.(b)S OF THE UNMFORM BUILDING CODE, RETAINING WALLS OUTSIDE OF PUBLIC RIGHT OF WAY REQUIRE SEPARATE PERMITS FROM THE BUILDING DEPARTMENT.
- NO WORK SHALL BE COMMENCED UNTIL ALL PERMITS HAVE BEEN OBTAINED FROM THE CITY AND OTHER APPROPRIATE AGENCIES.
- APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OSTANDED AND A VALID GRADING PERMIT HAS BEEN ISSUED.
- NO REVISIONS WILL BE MADE TO THESE PLANS WITHOUT THE WRITTEN APPROVAL OF THE CITY ENGNEER, NOTED WITHIN THE REVISION BLOCK, ON THE APPROPRIATE SHEET OF THE PLANS AND THE TITLE SHEET.
- ORIGINAL DRAWINGS SHALL BECOME THE PROPERTY OF THE CITY UPON BEING SIGNED BY THE CITY ENGINEER.
- 10. THE ORIGINAL DRAWING SHALL BE REVISED TO REFLECT AS-BUILT CONDITIONS BY THE ENGINEER-OF-WORK PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE CITY.
- 11. ACCESS FOR FIRE AND OTHER EMERGENCY VEHICLES SHALL BE MAINTAINED TO THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.

 12. WHERE TRENCHES ARE WITHIN CITY EASEMENTS, A SOULS REPORT COMPRISED OF: (A) SIMMARY SHEET, (B) LABORATIORY WORK SHEETS AND (C) COMPACTION CINYES, SHALL BE SUBMITTED BY A PROFESSIONAL EMERGENCE OF THE STATE OF CALFORNIA, PRINCIPALLY DOING BUSINESS IM THE FIELD OF APPLIED SOILS MECHANICS. THE SOULS REPORT WILL BE SUBMITTED BY THE CITY ENGINEERING INSPECTOR WITHIN TWO WORKING DAYS OF THE COMPLETION OF FIELD TESTS.
- INSPECTOR INTERN TWO WORKING DAYS OF THE COMPLETION OF FIELD TESTS.

 13. A SOLS COMPACTION REPORT AND COMPLIANCE VERRICATION REGARDING ADMERENCE TO RECOMMENDATIONS OUTLINED IN THE SOLS REPORT IS RECORDED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, ALL CONTROLLED GRADING SHALL BE DONE UNDERTHE PRINCIPALLY DONG BUSINESS IN THE FIELD OF APPLIED SOLS MECHANICS, ALL FILL OR FUTURE FILL ARREAS SHALL BE CONSTRUCTED IN ACCOUNTING THE PRINCIPALLY DONG BUSINESS IN THE FIELD OF APPLIED ASSOCIATION OF CARLSDAY STANDARD SECRETURE CONSTRUCTED IN ACCOUNTING THE PRINCIPAL SHALL BE SUBMITTED TO THE PROJECT INSPECTOR.
- 14. A PRECONSTRUCTION MEETING SHALL BE HELD AT THE SITE PRIOR TO THE BEGINNING OF WORK AND SHALL BE ATTENDED BY ALL REPRESENTATIVES, RESPONSIBLE FOR CONSTRUCTION, INSPECTION, SUPERMISSING THE MORE, THE CONTRACTOR SHALL SCHEDULE THE MEETING AND SY CALLING (760) 433–4391 AT LEAST FRIE(5) WORKING DAYS PRIOR TO STATE OCCURRENCE ON STRUCTION, APPROVED DRAWINGS MUST BE AVAILABLE PRIOR TO SCHEDULING. THE GRADING PERMIT WILL BE PROVIDED BY THE PROJECT INSPECTOR AT THE MEETING.
- MELING.

 1. ALL INSPECTION REQUESTS OTHER THAN FOR PRECONSTRUCTION MEETING WILL BE MADE BY CALLING THE FINGINERING 24-HOUR INSPECTION ROUEST LINE AT (750) A39-3981 INSPECTION ROUEST MIST BE RECEIVED PRIOR TO 2-00 P.M. ON THE DAY BEFORE THE INSPECTION IS NEEDED, MISPECTIONS WILL BE MADE THE NEXT WORK DAY UNLESS YOU REQUEST OTHERWISE. REQUESTS MADE AFTER 2-00 P.M. WILL BE SCHEDULED FOR TWO FULL WORK DAYS LATER.
- 2:00 P.M. WILL BE SCHEDULED FOR THIS FILE OWNER AND/OR APPLICANT

 16. THE OWNER AND/OR APPLICANT THROUGH THE DEVELOPER AND/OR CONTRACTOR
 SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING
 SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL,
 STATE AND FEDERAL SAFETY AND HEALTH STANDARS, LAWS AND REGULATIONS.

 17. THE CONTRACTOR SHALL CONFORM TO LABOR CODE SECTION 6705 BY SUBMITTING
 THE DESIGN OF SHORING, BRACING SLOPING OR OTHER PROVISIONS TO BE MADE
 OF WIGNER PROTECTION FROM THE HAZARD OF CANNER GROUND DURRING THE
 EXCAVATION OF SHORING, BRACING SLOPING OR OTHER PIPE WISTALLATION
 THEREIN. THIS PLAN MUST BE PREPARED FOR ALL TRENCHES FIRE FEEL (5) OR
 MORE IN DEPTH AND APPROVED BY THE CITY ENGINEER AND/OR CONCERNED
 STANDARDS ESTABLISHED BY THE CONSTRUCTION SAFETY ORDERS. TITLE B.
 CALFORNIA ADMINISTRATIVE CODE. THE PLAN MERSE FROM THE SHORING SYSTEM
 STANDARDS ESTABLISHED BY THE CONSTRUCTION SAFETY ORDERS. TITLE B.
 CALFORNIA ADMINISTRATIVE CODE. THE PLAN HASHALL BE PREPARED FOR BEINGER A COPY OF THE OSHA
 REGISTERED ENGINEER AT THE CONTRACTORS EXPENSE. A COPY OF THE OSHA
 RECAVATION.
- 18. NO BLASTING SHALL BE PERFORMED UNTIL A VALID BLASTING PERMIT HAS BEEN OPTIMED FROM THE CITY OF CARLISHAD, SUBMIT APPLICATION FOR BLASTING PERMIT WELL IN ADVANCE OF THE SCHEDULING OF BLASTING OPERATIONS.
- 19. IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED WITHIN ANY WORK AREA DURING CONSTRUCTION, DEPARTIONS WILL CEASE MANDIATELY, AND THE CITY FERMITTE WILL NOTIFY THE CITY FERMINE. OPERATIONS WILL NOT RESTART UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORITY FROM THE CITY ENGINEER TO DO SO.
- ENGINEER TO DO SO.

 20. ALL OPERATIONS CONDUCTED ON THE SITE OR ADJACENT THERETO, INCLUDING WARMING UP, REPAIR, ARRIVAL DEPARTURE OR OPERATION OF TRUCKS. EARTHMONING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 2:00 A.M. AND SUNSET EACH DAY, MOMPAY THAT PRIDAY AND NO EARTHMONING OR GROWN OPERATIONS SHALL BE CONDUCTED ON MEDICINGS OR HOLIDAYS. (A LIST OF CITY HOLIDAYS IS AVAILABLE AT THE ENGINEERING DEPARTMENT CONTREL)

 21. ALL OFF-STE HAUR ROUTES SHALL BE SUBMITTED BY THE CONTRACTOR TO THE CITY ENGINEER FOR APPROVAL TWO FULL. WORKING DAYS PRIOR TO BEGINNING OF MORK.
- 22. IMPORT MATERIAL SHALL BE OBTAINED FROM, AND WASTE MATERIAL SHALL BE DEPOSITED AT, A SITE APPROVED BY THE CITY ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEBRIS OR DAMAGE OCCURRING ALONG THE HAUL ROUTES OR ADJACENT STREETS AS A RESULT OF THE GRADING OPERATION.
- BRUSH SHALL BE REMOVED ONLY WITHIN THE AREA TO BE GRADED. NO TREES ARE TO BE REMOVED UNLESS SPECIFICALLY NOTED ON THE PLAN.
- 24. ALL AREAS SHALL BE GRADED TO DRAIN, GRADING RESULTING IN THE PONDING OF WATER IS NOT PERMITTED. ALL EARTHEN SWALES AND DITCHES SHALL HAVE A MINIMUM ONE PERCENT SLOPE. MINIMUM ONE PERCENT SLOPE.

 25. THESE PLANS ARE SUBJECT TO A SIGNED AND APPROVED SET OF EROSION CONTROL PLANS EROSION CONTROL SHALL BE AS SHOWN AND AS APPROVED BY THE CITY ENGINEER OR AS DIRECTED BY THE PROJECT INSPECTOR.

- THE CITY ENGINEER OR AS DIRECTED BY THE PROJECT INSPECTOR.

 26. ALL SLOPES SHALL BE TRAINED TO A FINSH GRADE TO PRODUCE A UNIFORM SURFACE AMO CROSS SECTION. THE SITE SHALL BE LETT IN A MEAT AND ORDERLY CONDITION. ALL STONES, ROTS OR OTHER DEBRIS SHALL BE REMOVED AND DISPOSED OF AT A SITE APPROVED OF BY THE CITY ENGINEER.

 27. ALL SLOPES SHALL BE INFIGATED, STABLIZED, PLANTED AND/OR HYDROSEDED MITHIN 191 (10) DAYS OF THE TIME MEND EACH SLOPE IS ROUGHT TO GRADE AS SHOWN ON THE APPROVED GRADING PLANS.

 28. LANDSCAPING SHALL BE ACCOMPLISHED ON ALL SLOPES AND PADS AS REQUIRED BY THE CITY OF CARLSBAD LANDSCAPE MANDAL. THE LANDSCAPING PLANS FOR THIS PROJECT, TO ANNION ON.

 BY THE CITY OF CARLSBAD LANDSCAPE MANDAL. THE LANDSCAPING PLANS FOR THIS PROJECT, TO ANNION ON.

 ENGINEER OR PLANNING DURECTOR.

- 29. THE OWNER/APPLICANT SHALL INSURE THAT ALL CONTRACTORS SHALL COORDWATE THE WORK OF THESE GRADING PLANS WITH THAT SHOWN ON BOTH THE LANDSCAPE AND IRRIGATION PLANS AND THE IMPROVEMENT PLANS AS REQUIRED FOR THIS WORK IN ACCORDANCE WITH THE LANDSCAPE MANUAL TIME REQUIREMENTS.
- 30. STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE MITH A MAMMAM D-LOAD OF 1,350. FOR PRIVATE STORM DRAIN PIPES, UP TO 15" PVC MAY BE UTILIZED PROVIDED DEPTH IS LESS THAN 15 FEET AND BACKFLLED MITH 3/4" ROCK PER SORS
- 31. WHERE AN EXISTING PIPE LINE IS TO BE ABANDONED AS A RESULT OF THE GRADNING OPERATION, IT SHALL BE REMOVED WITHIN TWENTY FEET OF BUNDWING OR STREET AREAS AND REPLACED WITH PROPERTY COMPACIED SOILS. IN OTHER AREAS THE PIPE WILL BE PLUGGED WITH CONCRETE OR REMOVED AS APPROVED BY THE CITY ENGINEER.

 32. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES (ABOVE GROUND AND UNDER GROUND WITHIN THE PROJECT SITE SUFFICIENTLY AHEAD OF GRADNING TO PERMIT THE REMSON OF THE GROWNE PLANS IF IT IS FOUND THAT THE ACTUAL LOCATIONS ARE IN CONFLICT WITH THE PROPOSED WORK.
- 33. THE CONTRACTOR SHALL NOTIFY AFFECTED UTILITY COMPANIES (SEE BELOW) AT LEAST 2 FULL WORKING DAYS PRIOR TO STATTING GRADING MEAR THEIR FACULIES AND SHALL COORDINATE THE WORK WITH A COMPANY REPRESENTATIVE. VY REPRESENTATIVE
 (800)422-4133
 (800)660-7343
 (800)892-0123
 (760)438-7741
 (760)806-9809
 (760)438-2320
 (760)438-2222
 (760)633-2650
 (760)733-0155
 (760)735-6466
 (760)726-1340 UNDERGROUND SERVICE ALERT STOCKE
 ST
- 34. PERMIT COMPLIANCE REQUIREMENTS:
 - A. FOR CONTROLLED GRADING THE APPLICANT HIRES A CIVIL ENGINEER, SOLIS ENGINEER, AND/OR GEOLOGIST TO GIVE TECHNICAL ADVICE, OBSERVE AND CONTROL THE WORK IN PROGRESS \$15.16.120.8\$ CARLSBAD MUNICIPAL CODE.
 - B. PRIOR TO FINAL APPROVAL OF A GRADING PERMIT THE FOLLOWING REPORTS MUST BE SUBMITED TO THE CITY ENGINEER VIA THE PROJECT INSPECTOR {15.16.120.9 & 10} CARLSBAD MUNICIPAL CODE:
 - (1) FIMAL REPORT BY SUPERVISING GRADING ENGINEER STATING ALL GROSION CONTROL, SLOPE PLANTING AND IRRIGATION ARE INSTALLED IN CONFERMANCE WITH CITY CODE AND THE APPROVED PLANS (OBTAIN SAMPLE OF COMPULANCE LETTER FROM CITY ENGINEERING DEPARTMENT).
 - (2) AS-BUILT GRADING PLAN.
 - (2) AS-BULT GROWN PLAN.

 (3) REPORT FROM THE SONS ENGINEER, WHICH INCLUDES RECOMMENDED SON BEARWING CAPACITIES, A STATEMENT AS TO THE EXPANSIVE QUALITY OF THE SOIL, AND SUMMARIES OF FIELD AND LABORATORY TESTS. THE REPORT SHALL ALSO INCLIDE A STATEMENT BY THE SONS ENGINEER THAT THE GRADHING WAS DONE IN ACCORDANCE WITH THE REQUIREMENTS AND RECOMMENDATIONS OUTLINED IN THE PRELIMINARY SONS REPORT AND ANY SUPPLEMENTS THERETO.
 - (4) REPORT WITH AS-BUILT GEOLOGIC PLAN, IF REQUIRED BY THE CITY.
- 35. UNLESS A GRADING PERMIT FOR THIS PROJECT IS ISSUED WITHIN ONE (1) YEAR AFTER THE CITY ENGINEER'S APPROVAL THESE PLANS MAY BE REQUIRED TO BE RESUBMITTED FOR PLANCHECK, PLANCHECK FEES WILL BE REQUIRED FOR ANY SUCH RECHECK.
- 36. THE SOILS REPORT TITLED_____
 PREPARED BY_____
- 37. WHEELCHAIR RAMPS SHALL BE INSTALLED PER REQUIREMENTS OF TITLE 24, CALIFORNIA ADMINISTRATIVE CODE.
- 38. ALL SURVEY MONUMENTS AND POINTS THAT ARE DISTURBED BY THIS WORK SHALL BE RESTABLISHED, PERPETUATED, AND DOCUMENTED PER THE PROFESSIONAL LAND SURVEYORS ACT.

"DECLARATION OF RESPONSIBLE CHARGE"

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF CARLSBAD DOES NOT RELEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

ADDRESS:			
CITY, STATE:-			
TELEPHONE:			
BY:		DATE:	
	(NAME OF ENGINEER)		

REGISTRATION EXPIRATION DATE:

SOILS ENGINEER'S CERTIFICATE

I, ENGINEER OF THE STATE OF CAUFORNIA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOILS MECHANICS, HEREBY CERTIFY THAT A SAMPLING AND STUDY OF THE SOIL CONDITIONS PREVALENT MITHIN THIS STIE WAS MADE BY ME OF UNDER MY DIRECTION BETWEEN THE DATES OF THE ODIES OF THE SOILS REPORT COMPILED FROM THIS STUDY, MITH MY RECOMMENDATIONS, HAS BEEN SUBMITTED TO THE OFFICE OF THE CITY ENGINEER.

SIGNED:	
P.E. NO.:	
DATE:	
LICENSE EXPIRATION DATE:	

OWNER'S CERTIFICATE

I (WE) HEREBY CERTIFY THAT A REGISTERED SOILS ENGINEER GEOLOGIST HAS BEEN OR WILL BE RETAINED TO SUPERVISE OVER--GRADING ACTIVITY AND ADVISE ON THE COMPACTION AND STABILITY THIS SITE.

NAME	DATE

WORK TO BE DONE

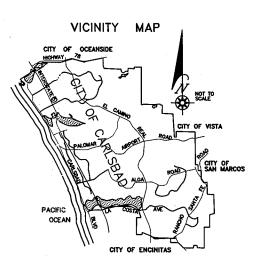
THE GRADING WORK SHALL CONSIST OF THE CONSTRUCTION OF ALL CUTS AND FILLS, REMEIVAL, GRADING, DRAWAGE FACILITIES, AND CONTROL FACILITIES, AND FULNITING OF PERMANENT LANDSCAPING AND PREPARATION OF AS-BULT GRADING PLANS, AS-BULT GEOLOGIC MAPS AND REPORTS, ALL AS SHOWN OR RECURRED ON THIS SET OF PLANS. AND THE CITY STANDARDS, SPECIFICATIONS, REQUIREMENTS, RESOLUTIONS AND ORDINANCES CITED ON THESE PLANS.

THE GRADING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING DOCUMENTS, CURRENT AT THE TIME OF CONSTRUCTION, AS DIRECTED BY THE CITY ENGINEER.

- 2. CITY OF CARLSBAD STANDARDS
- 3. THIS SET OF PLANS
- 4. CITY OF CARLSBAD PC/CC RESOLUTION NO(S). ___ _ DATED _____
- 5. THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK).
- 6. SOILS REPORT AND RECOMMENDATIONS BY ______
 DATED ______
- 7. THE SAN DIEGO RECIONAL STANDARD DRAWINGS AND AS MAY BE MODIFIED BY THE CITY OF CARLSBAD STANDARDS.
- 8. CALIFORNIA COASTAL COMMISSION DEVELOPMENT PERMIT CONDITIONS DATED
- 9. ENVIRONMENTAL APPROVAL DOCUMENTS DATED ___
- 10. STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY_______ WOID NO. 937C
- 11. STORM WATER MANAGEMENT PLAN (SWMP) PREPARED BY_ DATED
- 12. THE CALIFORNIA STORM WATER QUALITY ASSOCIATION (CASQUA), STORM WATER BEST MANAGEMENT PRACTICE, CONSTRUCTION HANDBOOK AND STATE OF CALIFORNIA, DEPT. OF TRANSPORTATION, CONSTRUCTION SIZE BEST MANAGEMENT PRACTICES (BMP) MANUAL.

DESCRIPTION DWG.NO. SYMBOL QUANTITY

REFERENCE DRAWINGS



20 BY. CUT: TOPOGRAPHY SHOWN HEREON CONFORMS TO NATIONAL MAP ACCURACY STANDARDS. PROJECT LOCATION THIS PROJECT IS LOCATED WITHIN ASSESSORS PARCEL NUMBER(S)			RTHWORK QUANTITIES SUIT: CY FULL: CY MPORT: CY EXPORT: CY CY CY CY CY CY CY	PLANNING DEPARTMENT APPROVAL (SHORED) INCRAEL A. BOLDBELER, PLANNING DESCROE (SHORED) DATE: //					"AS BUILT" RCE EXP. DATE REVIEWED BY:			
Ν				NEW COLUMN	- JI.		PROFIT PLAN	B)		INSPECTOR		DATE
BENCH MARK			·						SHEET	CITY OF ENGINEERIN	CARLSB. G DEPARTMENT	AD SHEETS
DESCRIPTION:									GRADING	PLANS FOR:		
RECORDED:DATUM;												
									APPROVE	D	ITO)	D B. HUBBS
CARLSBAD MUNICIPAL WATER DISTRICT									CITY ENG	NEER PE 23889	EVDIDEC 12 /11	OS DATE
			Λ						DWN BY:		PROJECT NO.	DRAWING NO.
ROBERT J. WCJCIK DEPUTY CITY ENGINEER R.C.E. 33698 EXP. 6/30/06	ENGINEER	OF WORK	REVISION DESCRIPTION		OTHER A	PPROVAL.	CITY AP		CHKD BY RVWD BY	ا ـــــــ ؛	NOCOT NO.	DICAMING NO.

EROSION CONTROL NOTES

I. IN CASE EMERGENCY WORK IS REQUIRED, CONTACT (PHONE NUMBER)

- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS EMINENT.
- DEVICES SHOWN ON PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE ENGINEERING INSPECTOR.
- THE CONTRACTOR SHALL RESTORE ALL EROSION CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE CITY ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- ALL EROSION CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON.
- GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE FIVE (5) DAY RAIN PROBABILITY FORECAST EXCEEDS FORTY PERCENT (40%), SLT AND OTHER DEBRIS SHALL BE REMOVED AFTER EACH RAINFALL.
- ALL GRAVEL BAGS SHALL BE BURLAP TYPE WITH 3/4 INCH MINIMUM AGGREGRATE.
- SHOULD GERMINATION OF HYDROSEEDED SLOPES FAIL TO PROVIDE EFFECTIVE COVERAGE OF GRADED SLOPES (90% COVERAGE) PRIOR TO NOVEMBER 15. THE SLOPES SHALL BE STABILIZED BY PUNCH STRAW INSTALLED IN ACCORDANCE WITH SECTION 35.023 OF THE EROSION AND SEDIMENT CONTROL HANDBOOK OF THE DEPARTMENT OF CONSERVATION, STATE OF CALIFORNIA.

TEMPORARY EROSION CONTROL PLANTING AND IRRIGATION

ALL PERMANENT AND TEMPORARY EROSION CONTROL PLANTING AND IRRIGATION SHALL BE INSTALLED AND MAINTAINED AS REQUIRED IN SECTION 212 OF THE STANDARD SPECIFICATIONS AND THE FOLLOWING.

- HYDROSEEDING SHALL BE APPLIED TO:

 1. ALL SLOPES THAT ARE GRADED 6:1 (HORIZONTAL TO VERTICAL) OR STEEPER WHEN THEY ARE:

 0. THREE FEET OR MORE IN HEIGHT AND ADJACENT TO A PUBLIC WALL OR SITEMED.

 b. ALL SLOPES 4 FEET OR MORE IN HEIGHT.

 - 2. AREAS GRADED FLATTER THAN 6:1 WHEN ANY OF THE FOLLOWING CONDITIONS EXIST:

 - EMST:

 . NOT SCHEDULED FOR IMPROVEMENTS/CONSTRUCTION OR GENERAL
 LANDSCAPING) WITHIN 80 DAYS OF ROUGH GRADING.

 b. IDENTIFIED BY THE PARKS AND RECREATION DIRECTOR AS HIGHLY
 WISBLE TO THE PUBLIC.

 c. HAVE ANY SPECIAL CONDITION IDENTIFIED BY THE CITY ENGINEER
 THAT WARRANTS IMMEDIATE TREATMENT.
- HYDROSEEDED AREAS SHALL BE IRRIGATED IN ACCORDANCE WITH THE FOLLOWING

 - ITERIA:

 ALL SLOPES THAT ARE GRADED 6:1 OR STEEPER AND THAT ARE:

 O. THREE TO EIGHT FEET IN HEIGHT SHALL BE IRRIGATED BY HAND
 WATERING FROM QUICK COUPLERS/HOSE BISS OR A CONVENTIONAL SYSTEM
 OF LOW PRECIPITATION SPRINKLER HEADS PROVIDING 100% COVERAGE.

 GREATER THAN 8 FEET IN HEIGHT SHALL BE WATERED BY A CONVENTION—
 AL SYSTEM OF LOW PRECIPITATION SPRINKLER HEADS PROVIDING 100%
 COVERAGE.
 - AREAS SLOPED LESS THAN 6:1 SHALL BE IRRIGATED AS APPROVED BY THE CITY ENGINEER, PRIOR TO HYDROSEEDING. THE DEVELOPER SHALL SUBHIT APPROPOSED SCHEME TO PROVIDE IRRIGATION TO THE CITY ENGINEER. THE PROPOSAL SHALL BE SPECIFIC REGARDING THE NUMBERS, TYPES AND COSTS OF THE ELEMENTS OF THE PROPOSED SYSTEM.
 - IRRIGATION SHALL MAINTAIN THE MOISTURE LEVEL OF THE SOIL AT THE OPTIMUM LEVEL FOR THE GROWTH OF THE HYDROSEEDED GROWTH.
- OPTIMUM LEVEL FOR THE GROWTH OF THE FYDROSEEDED GROWTH.

 HYDROSEEDING MIX SHALL CONSIST OF ALL OF THE FOLLOWING:

 1. SEED MIX SHALL CONSIST OF ON LESS THAM:

 a. 20 lbs. PER ACRE OF ROSE CLOVER

 b. 20 lbs. PER ACRE OF ROSE CLOVER

 c. 3 lbs. PER ACRE OF ACRICATE PROBLEM

 d. 4 lbs. PER ACRE OF ACHILEA MILLEPOLIA

 a. 3 lbs. PER ACRE OF ACHILEA MILLEPOLIA

 d. 4 lbs. PER ACRE OF ACHILEA MILLEPOLIA

 d. 1 lbs. PER ACRE OF ALYSSUM (CARPET OF SNOW)

 1 1/2 lb. PER ACRE OF MIDROPHOLEA

 J. 1 IELS C.d.a. AND 10 F THIS SUBSECTION MAY BE OMITTED ON LOCATIONS WHERE THE AREA BEING HYDROSEEDED IS NOT MISIBLE FROM ETHER A PUBLIC STREET OR RESIDENTIAL STRUCTURES.

 h. HEM a OF THIS SUBSECTION MUST BE INOCULATED WITH A NITROGEN FIXING BACTERIA AND APPLIED DRY ETHER BY DRILLING OR BROADCASTING BEFORE HYDROSEEDING.

 LUNGPENED CONTINIERS WITH THE CALIFORNIA DEPARTMENT OF FOOD AND ACRICULTURE CERTIFICATION TAG ATTACHED TO, OR PRINTED ON SAID CONTINIERS.

 J. NON-PHYTO-TOXIC WETTING AGENTS MAY BE ADDED TO THE HYDROSEED SLURRY AT THE DISCRETION OF THE CONTINIERS THAN DEPARTMENT OF FOOD AND ACRICULTURE CERTIFICATION OF THE CONTINIERS.
- 2. TYPE 1 MULCH APPLIED AT THE RATE OF NO LESS THAN 2000 Ibs PER ACRE. TYPE 6 MULCH (STRAW) MAY BE SUBSTITUTED, ALL OR PART, FOR HYDRAULICALLY APPLIED FIBER MATERIAL. WHEN STRAW IS USED IT MUST BE ANCHORED TO THE SLOPE BY MECHANICALLY PUNCHING NO LESS THAN 50% OF THE STRAW INTO THE SOIL.
- FERTILIZER CONSISTING OF AMMONIUM PHOSPHATE SULFATE, 16-20-0, WITH 15% SULPHUR APPLIED AT THE RATE OF 500 lbs. PER ACRE.
- AREAS TO BE HYDROSEEDED SHALL BE PREPARED PRIOR TO HYDROSEEDING BY:

 1. ROUGHENING THE SURFACE TO BE FLANTED BY ANY OR A COMBINATION OF:

 A. TRACK WALKING SLOPES STEEPER THAN 6:1

 b. HARROWING AREAS 6:T OR FLATTER THAT ARE SUFFICIENTLY FRIABLE.

 C. RIPPING AREAS THAT WILL NOT BREAK UP USING ITEMS & OR & ABOVE.

 - CONDITIONING THE SOILS SO THAT IT IS SUITABLE FOR PLANTING BY:
 ADJUSTING THE SURFACE SOIL MOISTURE TO PROVIDE A DAMP BUT NOT SATURATED SEED BED.
 THE ADDITION OF SOIL AMENDMENTS, PH ADJUSTMENT, LEACHING OR COVERING SALINE SOILS TO PROVIDED VIABLE CONDITIONS FOR GROWTH.
- HYDROSEEDED AREAS SHALL BE MAINTAINED TO PROVIDE A VIGOROUS GROWTH UNTIL THE PROJECT IS PERMANENTLY LANDSCAPED OR, FOR AREAS MHERE HYDROSEEDING IS THE PERMANENT LANDSCAPING, UNTIL THE PROJECT IS COMPLETED AND ALL BONDS RELEASED.

LEGEND DESCRIPTION QUANTITY SYMBOL XXXXX STABILIZED CONSTRUCTION ENTRANCE STRAW BALE DIKE _____ UNLINED SWALE & HERM D-75 LINED SWALE BLOCK-SCREEN-GRAVEL SILT BASIN HAY BALE SILT BARRIER LIMITS OF CLEARING & GRADING GRAVEL BAGS 000000000 V V V VPUNCHED STRAW LOG CHECK DAM HAY BALE CHECK DAM GRAVEL CHECK DAM

INITIAL.	REVISION DE	CONDITION	DATE	INITIAL	DATE	RNTIAL	CITY ENG DWN BY: CHAND BY	GINEER	LL PE 23889 EXP.12/31/ PROJECT NO.	OYD B. HUBBS
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3. CITY APPROVAL OF PLANS DOES NOT RELIEVE THE DEVELOPER OR ENGINEER-OF-WORK FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS AND OMISSIONS DISCOVERED DURING CONSTRUCTION. ALL PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR APPROVAL.

4. A RIGHT-OF-WAY PERMIT FROM THE CITY ENGINEER WILL BE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY, PRIOR TO PERMIT ISSUANCE A CERTIFICATE OF INSURANCE MUST BE FILED NAMING THE CITY OF CARLISBAD AS AN ADDITIONAL INSURED ON THE PERMITTEE'S POLICY IN THE MINIMAM AMOUNT OF \$1,000,000.00 FOR EACH OCCURRANCE OF LIABILITY. THE INSURANCE COMPANY WRITTING THE POLICY WUST HAVE A RATING OF "A" AND A SIZE CATEGORY OF CLASS Y'AS ESTABLISHED BY "BESIS" KEY RATING GUIDE.

.5. NO WORK SHALL BE COMMENCED UNTIL ALL PERMITS HAVE BEEN OBTAINED FROM THE CITY AND OTHER APPROPRIATE AGENCIES.

REVISION OF THESE PLANS MAY BE REQUIRED IF THE PROPOSED IMPROVEMENTS ARE NOT CONSTRUCTED PRIOR TO THE DEADLINE DATE OF THE IMPROVEMENT AGREEMENT.

NO REVISIONS WILL BE MADE TO THESE PLANS WITHOUT THE WRITTEN APPROVAL OF THE CITY ENGINEER, NOTED WITHIN THE REVISION BLOCK, ON THE APPROPRIATE SHEET OF THE PLANS AND TITLE SHEET.

ORIGINAL DRAWINGS SHALL BECOME THE PROPERTY OF THE CITY UPON BEING SIGNED BY THE CITY ENGINEER.

THE ORIGINAL DRAWING SHALL BE REVISED TO REFLECT AS-BUILT CONDITIONS BY THE ENGINEER-OF-WORK PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE

10. ACCESS FOR FIRE AND OTHER EMERGENCY VEHICLES SHALL BE MAINTAINED TO THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.

IN WHERE TRENCHES ARE WITHIN CITY EASEMENTS, A SOILS REPORT COMPRISED OF:

(A) SUMMARY SHEET, (B) LABORATORY WORK SHEETS AND (C) COMPACTION
CURVES, SHALL BE SUBMITTED BY A PROFESSIONAL ENGINEER OF THE STATE OF
CALIFORNIA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOILS
MECHANICS. THE SOILS REPORT WILL BE SUBMITTED TO THE CITY ENGINEERING
INSPECTOR WITHIN TWO WORKIND DAYS OF COMPLETION OF FIELD TESTS.
WHITTEN FIELD COMPACTION REPORT(S) SHALL BE IMMEDIATELY SUBMITTED TO
THE CITY ENGINEERING INSPECTOR UPON COMPLETION OF THE FIELD TESTS.

A PRECONSTRUCTION MEETING SHALL BE HELD AT THE SITE PRIOR TO THE BEGINNING OF WORK AND SHALL BE ATTENDED BY ALL REPRESENTATIVES RESPONSIBLE FOR CONSTRUCTION, INSPECTION, SUPERVISION, TESTING AND ALL DIHER ASPECTS OF THE WORK, THE CONTRACTOR SHALL SCHEDULE THE MEETING THROUGH THE PERMIT CLERK (438-6364) AT LEAST FIVE(5) WORKING DAYS PRIOR TO STARTING CONSTRUCTION, APPROVED DRAWINGS MUST BE AVAILABLE PRIOR TO SCHEDULING. SCHEDUL ING

13. ALL INSPECTION REQUESTS OTHER THAN FOR PRECONSTRUCTION MEETING WILL BE MADE BY CALLING THE ENGINEERING 24-HOUR INSPECTION REQUEST LINE AT 17601 439-3891. INSPECTION REQUESTS MUST BE RECEIVED PRIOR TO 2:00 P.M. ON THE DAY BEFORE THE INSPECTION. IS NEEDED. INSPECTIONS WILL BE MADE THE NEXT WORK DAY UNLESS YOU REQUEST OTHERWISE. REQUESTS MADE AFTER 2:00 P.M. WILL BE SCHEDULED FOR TWO FULL WORK DAYS LATER.

THE OWNER AND/OR APPLICANT THROUGH THE DEVELOPER AND/OR CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.

THE CONTRACTOR SHALL CONFORM TO LABOR CODE SECTION 6708 BY SUBMITTING A DETAIL PLAN TO THE CITY ENGINEER AND/OR CONCERNED AGENCY SHOWING THE DESIGN OF SHORING, BRACING SLOPING OR OTHER PROVISIONS TO BE MADE OF WORKER PROTECTION FROM THE HAZARD OF CAVING GROUND DURING THE EXCAVATION OF SUCH TRENCH OR TRENCHES OR DURING THE PIPE INSTALLATION WHEREIN. THIS PLAN MUST BE PREPARED FOR ALL TRENCHES FIVE FEET [51] OR MORE IN DEPTH AND APPROVED BY THE CITY ENGINEER AND/OR CONCERNED AGENCY PIOR TO EXCAVATION. IF THE PLAN WARLES FROM THE SHORING SYSTEM STANDARDS ESTABLISHED BY THE CONSTRUCTION SAFETY ORDERS. TITLE 8 CALIFORNIA ADMINISTRATIVE CODE. THE PLAN SHALL BE PREPARED BY AN EMBINISTRATIVE CODE. THE PLAN SHALL BE PREPARED BY AN PROMISE SHOWING THE OSHA EXCAVATION PERMIT MUST BE SUBMITTED TO THE INSPECTOR PRIOR TO EXCAVATION.

16. IF ANY ARCHAEOLOGICAL RESOURCES ARE DISCOVERED WITHIN ANY WORK ZONE DURING CONSTRUCTION, OPERATIONS WILL CEASE IMMEDIATELY, AND THE PERMITTER WILL NOTIFY THE CITY PENGINEER, OPERATIONS WILL NOT RESTART UNTIL THE PERMITTER HAS RECEIVED WRITTEN AUTHORITY FROM THE CITY ENGINEER TO DO SO.

17. ALL OPERATIONS CONDUCTED ON THE SITE OR ADJACENT THERETO, INCLUDING WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR OPERATION OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND SUNSET EACH DAY, MONDAY THRU FRIDAY AND NO EARTHMOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON MEEKENDS OR HOLIDAYS, IA LIST OF CITY HOLIDAYS IS AVAILABLE AT THE ENGINEERING DEPARTMENT COUNTER.]

ALL OFF-SITE HAU! ROUTES SHALL BE SUBMITTED BY THE CONTRACTOR TO THE CITY ENGINEER FOR APPROVAL TWO FULL WORKING DAYS PRIOR TO BEGINNING OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEBRIS OR DAMAGE OCCUPRING ALONG THE HAUL ROUTE OR ADJACENT STREETS AS A RESULT OF THE GRADING OPERATION.

19. NO BLASTING SHALL BE COMMENCED WITHOUT A CITY ENGINEER APPROVED

20. THE EXISTENCE AND LOCATION OF UTILITY STRUCTURES AND FACILITIES SHOWN ON THE CONSTRUCTION PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. ATTENTION IS CALLED TO THE POSSIBLE EXISTENCE OF OTHER UTILITY FACILITIES OR STRUCTURES NOT SHOWN OR IN A LOCATION DIFFERENT FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAULTIONARY WEASURES TO PROTECT THE UTILITIES SHOWN ON THE PLANS AND ANY OTHER EXISTING FACILITIES OR STRUCTURES NOT SHOWN.

21. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES (ABOVEGROUND AND UNDERGROUND) WITHIN THE PROJECT SITE SUFFICIENTLY AHEAD OF THE CONSTRUCTION TO PERMIT THE REVISIONS OF THE CONSTRUCTION PLANS IF IT

22. THE CONTRACTOR SHALL NOTIFY AFFECTED UTILITY COMPANIES (SEE BELOW) AT LEAST TWO FULL WORKING DAYS PRIOR TO STARTING CONSTRUCTION NEAR THEIR FACILITIES AND SHALL COORDINATE WORK WITH A COMPANY REPRESENTATIVE.

UNDERGROUND SERVICE ALERT 1-800-422-4133 SDOGHE

PACIFIC BELL

DANIELS CABLEVISION

OLIVENHAIN MUNICIPAL WATER DISTRICT

LEUCADIA COUNTY WATER DISTRICT

CARLSBAD MUNICIPAL WATER DISTRICT

CITY OF CARLSBAD 1-800-422-4135 (760)438-5241 (760)753-0155 (760)438-2722 17601602-2720

HUNSAKER

San Diego, Ca 92121 PH(858)558-4500 FX(858)5

& ASSOCIATES

STREET NOTES

ACTUAL STRUCTURAL SECTIONS WILL BE DETERMINED AFTER "R" VALUE TESTS HAVE BEEN CONDUCTED BY A PROFESSIONAL ENGINEER OF THE STATE OF CALIFORNIA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOIL MECHANICS, ON THE PREPARED BASEMENT SOIL, THE "R" VALUE TESTS AND THE ENGINEERED STRUCTURAL SECTION MUST BE SUBMITTED TO THE ENGINEERED STRUCTURAL SECTION MUST BE SUBMITTED TO THE ENGINEERING INSPECTOR FOR REVIEW AND APPROVAL A MINIMUM OF TWO 121 CITY WORKING DAYS BEFORE THE WORK BEGINS

STREET LIGHTS SHALL BE INSTALLED AS SHOWN ON THESE PLANS, UNDERGROUND CONDUIT RUNS, SERVICE POINTS AND HAND-HOLES SHALL BE SHOWN ON THE "AS-BULLT' PLANS. NO DIRECT BURIAL STREET LIGHT FOUNDATIONS WILL BE ALLOWED. ALL LUMINAIRES SHALL BE "CUT OFF" TYPE.

ALL UNDERGROUND UTILITIES AND LATERALS SHALL BE INSTALLED PRIOR TO

STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE WITH A MINIMUM D-LOAD OF 1,350 OR ASBESTOS GEMENT PIPE WITH A MINIMUM D-LOAD OF 2 TIMES THE MINIMUM D-LOAD REQUIRED FOR RCP. FOR PRIVATE STORM DRAIN PIPES. UP TO 15" PVC MAY BE UTILIZED PROVIDED DEPTH IS LESS THAN 15 FEET AND BACKFILLED WITH 3/4" ROCK PER SORIS S-4 TYPE "C" AND PIPE MEETS ASTAM STANDARD 3034 FOR SDR 35

WHERE AN EXISTING PIPE LINE IS TO BE ABANDONED IT SHALL BE REMOVED WITHIN TWENTY FEET OF BUILDING OR STREET AREAS AND REPLACED WITH PROPERTY COMPACTED SOLLS. IN OTHER AREAS THE PIPE WILL BE PLUGGED WITH CONCRETE OR REMOVED AS APPROVED BY THE CITY ENGINEER.

WHEELCHAIR RAMPS SHALL BE INSTALLED PER REQUIREMENTS OF TITLE 24, CALIFORNIA ADMINISTRATIVE CODE.

STREET TREES SHALL BE INSTALLED PER SECTION IV D.3 OF THE CITY OF CARLSBAD LANDSCAPE MANUAL.

FIRE HYDRANT MARKERS SHALL BE PLACED IN THE STREET WITHIN THE LIMITS OF WORK OF THIS PLAN PER SDRS DWG MIS.

ALL SURVEY MONUMENTS AND POINTS THAT ARE DISTURBED BY THIS WORK SHALL BE RE-ESTABLISHED, PERRETUATED, AND DOCUMENTED PER THE PROFESSIONAL LAND SURVEYORS ACT.

10. TWO (2) SETS OF SURVEY (CUT) SHEETS SHALL BE PROVIDED TO THE CITY ENGINEERING INSPECTOR,

"DECLARATION OF RESPONSIBLE CHARGE"

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I 6. HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF CANEBABD DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN. FIRM: HUNSAKER & ASSOCIATES

ADDRESS: 10179 HUENNEKENS AVE CITY, ST. : SAN DIFGO, CA TELEPHONE: 18581 558-4500 BY: Carrierd & Martin _DATE: 2/10/03

P.E. NO.: RCE 48670 EXPIRATION DATE: _6/30/04

REFERENCE DRAWINGS CITY OF CARLSBAD DRAWING 397-IB

SOURCE OF TOPOGRAPHY

R. J. LUNG AND ASSOCIATES
DATED APRIL 2000 AND THE ROUGH GRADING PLANS [DRAWING 397-1A]

OWNERS / PERMITTEES

REAL ESTATE COLLATERAL MANAGEMENT COMPANY, A DELAWARE CORPORATION 1903 WRIGHT PLACE SUITE 180 CARLSBAD, CA 92008 [760] 929-2701

LEGAL DESCRIPTION

LA COSTA OAKS NEIGHBORHOODS 3.10 AND 3.11 (CT 02-02)

BEING A SUBDIVISION OF LOTS 171 AND 172 OF CITY OF CARLSBAD TRACT CT 99-04-01, VILLAGES OF LA COSTA - LA COSTA OAKS SOUTH, IN THE CITY OF CARLSBAD, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEROF NO. 14379 FILED IN THE OFFICE OF THE SAN DIEGO COUNTY RECORDER ON APRIL 29, 2002 AS FILE NO. 2002-0358064 F OFFICIAL RECORDS

PROJECT LOCATION

THIS PROJECT IS LOCATED WITHIN ASSESSORS PARCEL NUMBER(S) 223-071-05[POR] 223-071-07(POR) 223-071-09[POR) 223-050-69[POR) THE CALIFORNIA COORDINATE INDEX OF THIS PROJECT IS 1978

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM - 1983, ZONE VI. 1991.35 EPOCH, NORTH AMERICAN DATUM OF 1983 (NADB3), GRID BEARINGS BETWEEN STATION 147 AND STATION 152 AS SAID COORDINATES ARE PUBLISHED IN THE CITY OF CARLSBAD SURVEY CONTROL NETWORK ESTABLISHED BY COUNTY RECORDER ON FEBRUARY 8, 2002.

IE: N 04-55-39- W
REFERNCED BEARINGS FROM OTHER DOCUMENTS/DEEDS MAY OR MAY NOT BE
RIFERNOED SAID SYSTEM THE COMBINED SCALE FACTOR AT STATION 147
IS 0,9993947. GRID DISTANCE = GROUND DISTANCE X COMBINED SCALE

SHEET INDEX

NOTES AND LEGEND KEY MAP AND SECTIONS IMPROVEMENTS SEWER LATERAL TABLE

ENGINEER'S NOTES

NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAMS AND REGULATIONS.

CONTRACTOR HAS SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE ENGINEER.

THE CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL SLOPES, STREETS, UTILITIES, AND STORM DRAINS ARE BUILT IN ACCORDANCE WITH THESE PLANS. IF THERE IS ANY OUESTION REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY MORK BY CALLING THE ENGINEER OF WORK AT 588-4500. THE CONTRACTOR SHALL ALSO TAKE THE NECESSARY STEPS TO PROTECT THE PROJECT AND ADJACENT PROPERTY FROM ANY EROSION AND SILTATION THAT MIGHT RESULT FROM HIS OPERATIONS BY APPROPRIATE MEANS IGRAVEL BASE HAY BALES, TEMPORARY DESILTING BASINS, DIKES, SHORING, ETC. JUNTIL SUCH THE THE PROJECT IS COMPLETED AND ACCEPTED FOR MAINTENANCE BY THE OWNER.

THE ENISTENCE AND LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLAMS. BEFORE EXCAVATION FOR THIS CONTRACT, THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UNEXPROPUND UTILITIES AFFECTION THE WORK, WHETHER SHOWN ON THE PLANS OR NOT. SPECIFIC ATTENTION SHALL BE MADE IN AREAS WHERE THE !ROPOSED IMPROVEMENTS MEET EXISTING. CONTRACTOR SHALL NOTIFY THE ENGINEER OF WORK OF ANY DEVIATIONS PRIOR TO ORDERING MATERIALS FOR THE PROJECT, AND ALLOW SUFFICIENT TIME FOR REVISION TO THESE PLANS IF AS-BUILT LOCATION OF EXISTING UTILITIES REQUIRE CHANGES TO THE DESIGN.

CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT EXISTING ABOVE GROUND AND UNDERGROUND IMPROVEMENTS SHOWN HEREON AS WELL AS EXISTING UTILITIES NOT SHOWN HEREON. CONTRACTOR SHALL REPAIR OR REPLACE ITEMS REQUIRED TO REMAIN IN PLACE WHICH ARE DAMAGED, DURING THE COMPLETION OF THE WORK, TO THE SATISFACTION OF THE APPROPRIATE AGENCY.

WHERE TRENCHES ARE ADJACENT TO FUTURE BUILDING SITES, A LICENSED SOILS ENGINEER SHALL BE RETAINED BY THE OWNER TO COMPLETE NECESSARY TESTING TO CERTIFY THAT TRENCH BACKFILL WAS COMPACTED AS DIRECTED IN THE PRELIMINARY SOILS REPORT.

THESE PLANS SHOWN THE MINIMUM IMPROVEMENT REQUIRED BY THE APPROVING AUTHORITY IN ORDER TO OBTAIN PROJECT APPROVAL, FIELD COMDITIONS MAY DICTATE ADDITIONAL IMPROVEMENTS. THE COST OF ANY ADDITIONAL IMPROVEMENTS SHALL BE BORNE BY THE CONTRACTOR. ANY ADDITIONAL ITSTING BY THE SOLS ENGINEER OR OTHER PROFESSIONALS SHALL BE COMPLETED AT THE CONTRACTOR EXPENSE.

PRIOR TO GROEFING MATERIALS OR BEGINNING CONSTRUCTION, WHICHEVER OCCURS FIRST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF WORK IN WRITING, WHENEVER THESE PLANS SEEM UNCLEAR.

LEGEND OF ABBREVIATIONS

TOP OF CURB GRADE BREAK BEGIN VERTICAL CURVE END VERTICAL CURVE VERTICAL POINT OF INTERSECTION BEGIN CURVE END CURVE HIGH POINT LOW POINT FLOW LINE DRIVEWAY FINISHED SURFACE POINT OF REVERSE CURVE STREET LEFF
TOP OF WALL
POINT CURB RETURN
MODIFIED VERTICAL CURVE
CENTERLINE BOTTOM OF WALL NOT TO SCALE CEMENT TREATED BASE CEMENT TREATED BASE

RADIUS POINT

EDGE OF PAVEMENT

CUL-DE-SAC STATIONING

REINFORCED CONCRETE PIPE

STORM DRAIN

KNUCKLE STATIONING

CENTER OF CUL-DE-SAC

ENGINEER'S NOTES (CONT.)

THE CONTRACTOR SHALL NOTIFY THE SURVEYORS 48 HOURS PRIOR TO BACKFILLING TRENCHES FOR ALL NEW UTILITIES. THE SURVEYOR SHALL OBTAIN NECESSARY FIELD SHOTS TO PROVIDE THE ENGINEER OF WORK WITH A LETTER OF CERTIFICATION STATING THAT ALL IMPROVEMENTS ARE CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE LINES AND GRADES SHOWN HEREON. THE CERTIFICATION SHALL INCLUDE ALL TIFELD REPOLITED IN SHALL INCLUDE ALL TIFELD REPOLITED IN SHALL INCLUDE ALL ITEMS REQUIRED BY THE APPROVING AUTHORITY.

THE GENERAL CONTRACTOR IS REQUIRED TO KEEP AND MAINTAIN A SIGNED SET OF THESE PLANS ONSITE AT ALL TIMES FOR USE BY THE ENGINEER OF MORE, SOILS ENGINEER AND THE CITY INSPECTOR. THE GENERAL CONTRACTOR'S SUPERINTEMDANT IS REQUIRED TO UPDATE SAID PLANS WITH AS-BUILT ON A DAILY BASIS AS WORK PROGRESSES. SAID PLANS SHALL BE CERTIFIED BY THE SUPERINTENDENT AS ACCURATE AND COMPLETE UPON COMPLETION OF THE PROJECT, AND BECOME THE PROPERTY OF THE ENGINEER OF WORK.

STATIONING OF DRIVEWAYS, LATERALS AND PROPERTY LINES ON CUL DE SAC'S AND KNUCKLES ARE AT THE RIGHT OF WAY. PRC AND PCR STATIONS ARE AT THE CURB.

RETAINING WALLS, IF SHOWN HEREON, ARE INCLUDED AS SUPPLEMENTARY INFORMATION. DETAILED PLANS, A SEPARATE PERMIT AND INSPECTION IS REQUIRED FROM THE BUILDING DEPARTMENT FOR ALL RETAINING WALLS.

THE SOILS REPORT AND ALL THE SUPPLEMENTS THEREOF ARE INCORPORATED INTO AND MADE A PART OF THIS PLAN. ALL CONSTRUCTION SHALL CONFORM WITH AND BE SUBJECT TO ANY TESTING OR INSPECTION REQUIREMENTS IN THE REPORT.

CONTRACTOR SHALL INSTALL THRUST BLOCKS AT ALL ANGLE POINTS AND TEES IN WATER SYSTEMS PURSUANT TO THE APPROPRIATE WATER DISTRICT STANDARD.

CONTRACTOR SHALL SUBMIT AN AS-BUILT PLAN INDICATING ALL STREET LIGHT CONDUIT RUNS, ACCESS POINTS, HAND HOLES AND SERVICE POINTS PRIOR TO ENERGIZING THE SYSTEM.

ALL SEVER LINE BEDDING SHALL BE 3/4" BACKFILL PER SDRSD S-4, TYPE C. PVC SEWER PIPE SHALL MEET ASTM STD. 3034 FOR SOR 35 SOLID WALL PIPE.

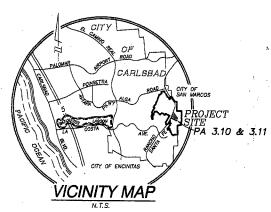
STORM DRAIN NOTES

STORM DRAIN PROFILES SHOW A GRAPHICAL REPRESENTATION OF THE CALCULATED HOL DURING THE DESIGN STORM, AS REQUIRED BY THE CITY. THE CALCULATED HOL CAN BE FOUND IN THE APPROVED STORM DAILNAGE REPORT ON FILE AT THE OFFICE OF THE CITY ENDINEER. ENGINEER IS NOT RESPONSIBLE FOR USE OF THE HOL SHOWN HEREON, BY OTHERS, WHEN MAKING ADDITIONAL CONNECTIONS OR REAL IONING THE SYSTEM. CHANGES TO THE SYSTEM, REQUIRE APPROVAL OF A REGISTERED ENGINEER RESPONSIBLE FOR THE PEYSTEM. THE REVISIONS.

STORM DRAIN PIPES DESIGNATED AS HAVING THE HGL AT OR ABOVE THE PIPE SOFFIT SHALL BE CONSTRUCTED WITH WATER TIGHT JOINTS WITH AMERON REINFORCE CONCRETE PIPE WITH REINFORCED THERMOSETTING RESIN (RTR) COUPLING OR EQUAL FOR THE ENTIRE REZION COUPLING SHALL MEET THE REQUIREMENTS OF ASTM C76, C361, AND C443.

STORM DRAIN PIPES WITH VELOCITIES EXCEEDING 20 FEET PER SECOND STALL HAVE A MINIMAM COVER OF 1-12 INCH OVER EXCLEDING 20 FEET PER SECOND.

THE CONCRETE DESIGN STRENGT IN THESE REACHES SHALL BE 1c = 5,000 PSI
FOR VELOCITIES EXCEEDING 30 FEET PER SECOND, USE 1c = 6,000 PSI.



WORK TO BE DONE

THE IMPROVEMENT WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING DOCUMENTS, CURRENT AT THE TIME OF CONSTRUCTION, AS DIRECTED BY THE CITY ENGINEER.

CARLSBAD MUNICIPAL CODE

CITY OF CARLSBAD STANDARDS. THIS SET OF PLANS.

THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK).

SOILS REPORT AND RECOMMENDATIONS BY GEOCON, INC. SOILS AND TESTING, INC. DATED, AUGUST 3, 2001, UPDATED JAN. 7, 2003.

THE SAN DIEGO AREA REGIONAL STANDARD DRAWINGS AND AS MAY BE MODIFIED BY THE CITY OF CARLSBAD STANDARDS.

MAY US MODIFIED BY THE CITY OF CARLSBAD STANDARDS.
FINAL PROGRAM EIR 99-07.
THE OLIVENHAIN MUNICIPAL WATER DISTRICT STANDARDS AND SPECIFICATIONS.
FOR CONSTRUCTION OF WATER AND RECLAIMED WATER SYSTEMS.
THE LEUCADIA COUNTY WATER DISTRICT STANDARDS AND SPECIFICATIONS
FOR CONSTRUCTION OF SEWER SYSTEMS.

IN ACCORDANCE WITH CITY OF CARLSBAD RESOLUTION NUMBERS 5011, 5012, 5013, 5014 5015, 5020, 5021, 5022, 5283, AND 5284 DATED SEPTEMBER 5, 2001.

**************************************	LEGEND		
DESCRIPTION	STD. DWG.	SYMBOL	QUANTITY
SUBDIVISION BOUNDARY RIGHT OF WAY LINE	•		
RIGHT OF WAY LINE PROPERTY LINE			
EASEMENT LINE			
A.C. PAVING/BASE			126,727 S.F
6" CURB & GUTTER	. G-2	CTE CALAMATA CONTRACTOR CONTRACTOR OF THE CONTRACTOR OF T	6,948 L.F.
PEDESTRIAN RAMP TYPE "A"	G-27	NAME OF THE PARTY	-
CROSS GUTTER	•	/	4 E.A.
CRU33 GUITER	G-12	7	1,190 S.F.
MODIFIED CROSS GUTTER	GS~10**		
CONCRETE SIDEWALK	G-7, G-9, G-10		29,866 S.F.
DRIVEWAY	G-14**		12,411 S.F.
STREET LIGHT 9,500 LUI	M (HPSV) E-1**, E-2,	M−21	14 E.A.
STREET CENTERLINE MONUMENT	M-10	Δ	18 E.A.
EXISTING STORM DRAIN		Service in the office of the service	e e
STORM DRAIN		ra	2,103 L.F.
CURB INLET TYPE "B"	D-2**, DS-1		2 E.A.
CURB INLET TYPE "B-1"	D-2**, DS-1		6 E.A.
CURB INLET TYPE "B-2"	D-2**, DS-1		1 E.A.
CATCH BASIN TYPE "F"	D-7		3 E.A.
CONCRETE LUG	D-63	= = = =	1 E.A.
TYPE D-34 HEADWALL	D-34		2 E.A.
CLEANOUT TYPE "A-4"	D-9		9 E.A.
PROPOSED SEWER MAIN(SDR 35) PROPOSED SEWER MANHOLE	*S-11, S-12		2,895 L.F.
PROPOSED SEWER MANHOLE PROPOSED SEWER CLEANOUT	*S-3, *S-4, S-4	-s	12 E.A.
EXISTING SEWER	S-3	—S——— O	1 E.A.
SEWER LATERAL W/TRAFFIC LID	*S-17, S-18		67 E.A.
EXISTING WATER LINE	- ···• ·-		UP terris
PROPOSED WATER MAIN	***E-3.1		3,373 L.F.
GATE VALVE	***D2.2		4 E.A.
FIRE HYDRANT ASSEMBLY WITH MARK	KER ***C-1.1	- → FH	9 E.A.
1" WATER SERVICE	***B-1.1	· · · · · · · · · · · · · · · · · · ·	79 E.A.
END CAP ASSEMBLY	***D3.3	· ·	3 E.A.
PO x PO x FLANGE TEE W/FLAN		№ —————	
2" MANUAL AIR RELEASE 2" BLOW OFF ASSEMBLY	***A-2.3		
2" IRRIGATION METER	***A-1.1		. 1 EA.
PO X PO REDUCER	***D-3.1	— — — — — 1 EA.	
STREET SIGN, (TYPE PER PLAN) PER CAL TRANS TRAFFIC MANUAL	SDM-102		
12" WHITE LIMIT LINE, "STOP" PA PER CAL TRANS TRAFFIC MANUAL	VEMENT LEGEND	STOP	
	(THERMOFERSHO)	ENGINEER OF WOR	K
* LCWD STANDARD DRAWING	,		
* * AS MODIFIED BY THE CITY OF * * * OMWD STANDARD DRAWING		Carried & hast	2/10/03
ORNING SIMPLAND DIVINING		RATHOND L. MARTIN R.C.E. NO. 48570 EXP. 6/30/04	DATE
RICT CARLSBAD FIRE	DEPARTMENT	44	
71101	1200	AS BUILT"	

FIRE HYDRANT LAYOUT PLAN

ELEVATION:

OLIVENHAIN MUNICIPAL WATER DISTRICT LEUCADIA COUNTY WATER DISTR POTABLE WATER SYSTEM APPROVAL (OMMD W.O.# 559510) wed by: BOYLE ENGINEERING CORPORATION District's Consulting Engineer ANDEXISE Z/ca/03 SD-001-516-12
DATE JOB NUMBER
ASSA PAGE NOTE R.C.E. DATE JOB NUMBER
Note: Signature Expires 2 Years After Date

PUBLIC SEWER SYSTEM APPROVAL

STEVE DEERING SICE. 26514 DATE
DUDEK AND ASSOCIATES EXP. 03/31/04

REQUIREMENTS NUMBER OF F.H.'S. 8. F.FLOWISOOG.P.M. OUT OF 1 FH. BLOG. SPRINKLED? YES NO X FFLOW G.P.M. FIRE WARRING Py 5.2.03

A2 ROILI DATE ___ EXP. _ REVIEWED BY SHEET SHEETS CITY OF CARLSBAD 10

BENCH MARK DESCRIPTION: U.S.C. & G.X. BRASS DISC STAMPED "K302., 1935" IN CONC. MON. NOUL, 1939 IN CORC. MOI.

POINT LIES 8.5 EASTERLY OF EASTERN
BERN LINES FOR ANGLOS SANIT FE ROAD.

TEANSMISSION LINE POLE MARKED
TLASTOTT AND TLIBESS AND
AFROMMATELY 1.2 MILES NORTHERLY
OF THE INTERSECTION OF RANGOOD
ANTA FE ROAD AND LA COSTA AVENUE.

533.39 NGVO 29 MSL

IMPORTANT NOTICE

TWO WORKING DAYS BEFORE YOU DIG

SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A FERMIT TO EXCAVATE WILL BE VALID, FOR YOUR DIGALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT AT. TOLL FREE 1-800-422-4133

DATE INITIAL ENGINEER OF WORK

2/18/04 /20 09/04/03 RLM 3 REVISE SEWER LATERALS SHTS 3-10 09/04/03 RLM (2) REVISE WATER SERVICES, FH. IRR, SHTS 3-9
09/04/03 RLM (1) REVISE DRIVEWAYS FST LIGHT LOCATION SHTS 3-9 2/11/04 ACC 23/04/14/1 DATE INITIAL DATE INITIAL REVISION DESCRIPTION

ENGINEERING DEPARTMENT IMPROVEMENT AND UTILITY PLANS FOR: VILLAGES OF LA COSTA-LA COSTA OAKS SOUTH-NEIGHBORHOODS 3.10-3.11 CITY ENGINEER RCE MARO EXP. 12/31/05 DATE

KAWING NO.

399-6 CT 02-02 R:\0296\&Eng\Improvements\0296\a01.dwgf 1275]Feb-10-2003:07:22 W.O. No. 2352-39

DWN BY: RST

H&A 4/7/04